HYDROGEOLOGIC DATA FROM SELECTED WELLS AND TEST HOLES IN SUFFOLK COUNTY, LONG ISLAND, NEW YORK

By

H. M. Jensen and Julian Soren

LONG ISLAND WATER RESOURCES
BULLETIN NUMBER 3

Prepared by the U. S. Department of Interior, Geological Survey, in cooperation with the New York State Department of Environmental Conservation, the Nassau County Department of Public Works, the Suffolk County Department of Environmental Control, and the Suffolk County Water Authority.

Published by

SUFFOLK COUNTY DEPARTMENT OF ENVIRONMENTAL CONTROL

1971

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HYDROGEOLOGIC DATA FROM SELECTED WELLS AND TEST HOLES IN SUFFOLK COUNTY, LONG ISLAND, NEW YORK

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INTRODUCTION

Suffolk County, N. Y., comprising roughly the eastern two-thirds of Long Island along with several smaller islands has an area of about 920 square miles (fig. 1). The western half of the county is mainly suburban; the eastern half is more rural. The population of Suffolk County has increased sharply from less than 200,000 in 1940 to about 1.1 million in 1970. However, most of the increase has occurred since 1950, when the population was about 275,000.

The fresh-water supply for the county is obtained solely from the underlying ground-water reservoir. The major hydrogeologic units in the ground-water reservoir are summarized in table 1, and a generalized section showing the vertical relation of these units is shown in figure 2. Ground-water pumpage increased from an average of about 42 mgd (million gallons per day) in 1950 to about 131 mgd in 1969 (New York State Conservation Department, written commun., May 1970). The projected water use in Suffolk County in 1990 for an estimated population of 2 million is about 300 mgd (New York State Conservation Department, Division of Water Resources, 1970, p. 26-27).

Water-related problems associated with increased population and attendant increased ground-water development are of considerable concern to the water-resources managers of Suffolk County. To help supply the hydrologic information needed to anticipate and cope with these problems, the U.S. Geological Survey is participating in a cooperative program of water-resources studies with the Suffolk County Water Authority, the Suffolk County Department of Environmental Control, and the New York State Department of Environmental Conservation. Several reports have been published as a result of the cooperative program. (See "Selected References.") One of the best known and most widely used of those reports is New York State Water Power and Control Commission Bulletin GW-18, "Mapping of geologic formations and aquifers of Long Island, New York" (Suter, de Laguna, and Perlmutter, 1949). That report includes three major sections: (a) a fairly detailed description of the surface and the subsurface geology of Long Island; (b) a detailed table of geologic correlations of well logs; and (c) a series of maps showing pertinent surficial features and structure contours on the tops of key hydrogeologic units.

Considerable information, especially on the deeper hydrogeologic units, has become available since the publication of Bulletin GW-18. As part of a cooperative program with local agencies on Long Island, the Geological Survey has prepared this first report in a series that will update the bulletin for each of the four counties on Long Island. The major component of the present report is a listing of hydrogeologic correlations and well-completion data for about 1,000 selected wells and test holes in Suffolk County (table 2). A companion report containing a series of structure contour maps and hydrogeologic sections and largely based on the data in table 2 is in preparation. Table 2 includes information on most of the pertinent wells and the test holes drilled in Suffolk County since 1949. Information for certain key wells listed in Bulletin GW-18 and other publications are also listed in the table, although some changes have been made, especially in the interpretation of geologic correlations. Locations of the wells and the test holes listed in table 2 are shown on plate 1. As part of the present study, virtually all published and unpublished well data were reviewed, and drilling samples from numerous wells and test holes, drilled prior to and after publication of Bulletin GW-18, were examined to determine geologic correlations.

The authors gratefully acknowledge the cooperation of the well-drilling companies who provided well information and drilling samples that assisted in determining geologic correlations. These companies included: The Lauman Co., Inc.; Mathies Well and Pump Co., Inc.; Strata Well Corp.; Layne-New York Co., Inc.; and Delta Well Co., Inc.

The following personnel of the U.S. Geological Survey, Water Resources Division, New York District, assisted significantly in the preparation of table 2 in this report: Neal E. McClymonds processed numerous well records and hydrologic data for inclusion in the table; and Donald E. Vaupel and Brent H. Lowell developed the computer program used to prepare the table.

The field work and the report were done under the immediate supervision of Philip Cohen, Hydrologist-in-Charge of the Long Island Subdistrict, and under the general supervision of G. G. Parker, former District Chief, and R. J. Dingman, District Chief, New York District of the U.S. Geological Survey's Water Resources Division.

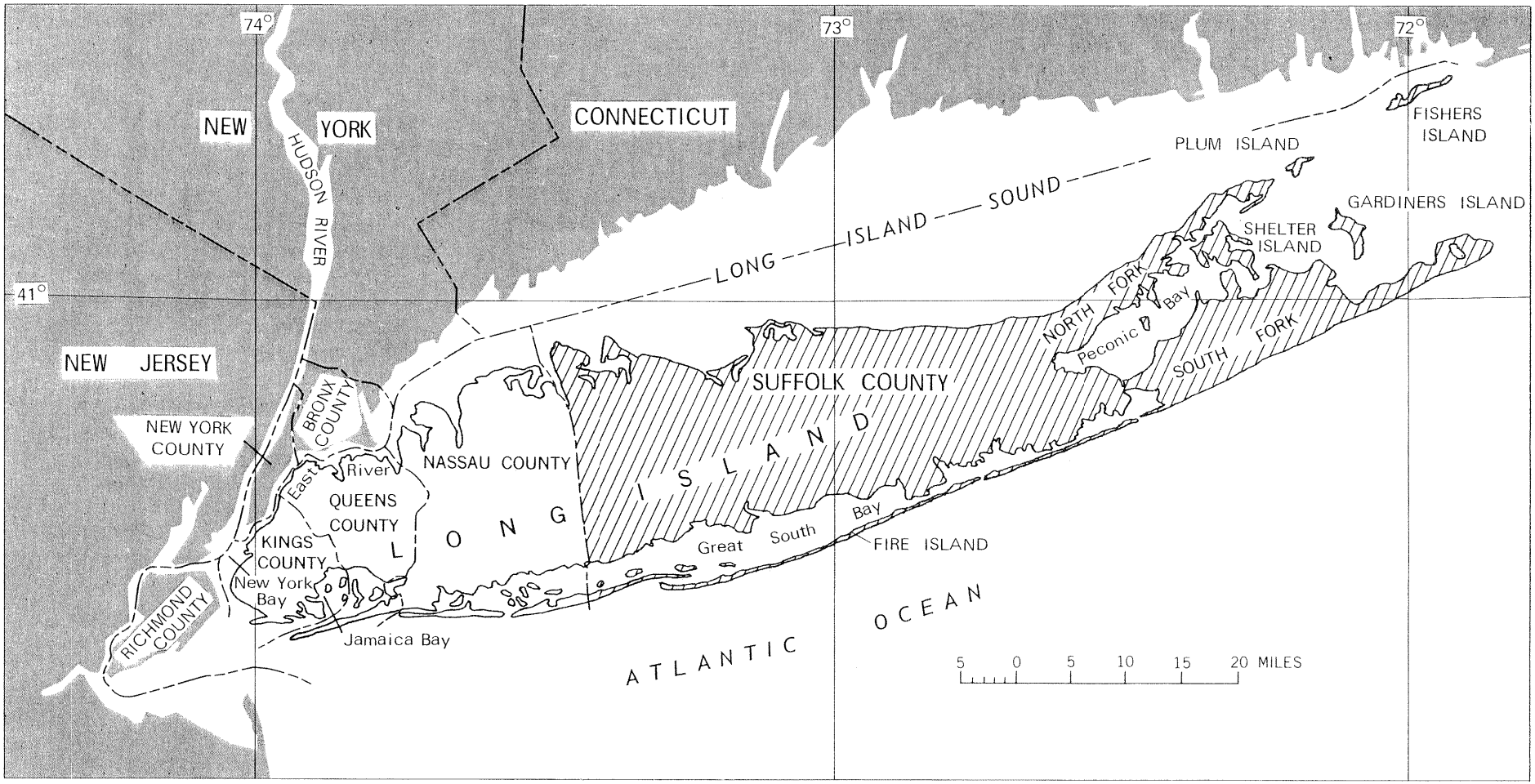

Figure 1.--Map of Long Island, N.Y., showing location of Suffolk County

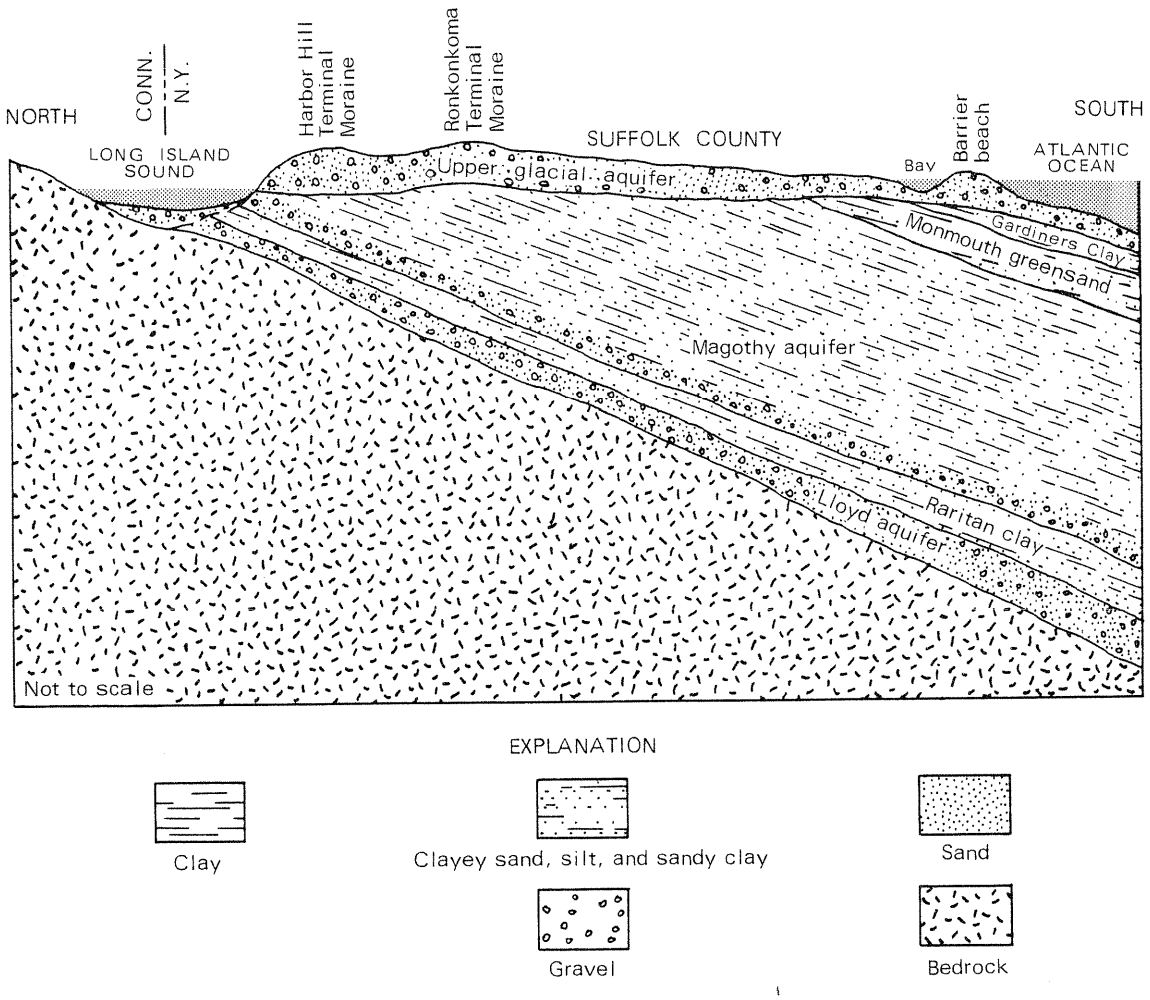

Figure 2.--Generalized section showing major hydrogeologic units in Suffolk County, N.Y.

Table 1.--Major hydrogeologic units in Suffolk County, N. Y.

Hydrogeologic unit 1/	Geologic name	Approximate thickness (feet)	Description and water-bearing character
Upper glacial aquifer	Holocene and upper Pleistocene deposits, and Mannetto Gravel	0-750	Mainly brown and gray sand and gravel of moderate to high hydraulic conductivity; also includes deposits of clayey glacial till and lacustrine clay of low hydraulic conductivity. A major aquifer.
Gardiners Clay	Gardiners Clay	0-75	Green and gray clay, silt, clayey and silty sand, and some interbedded clayey and silty gravel; of low hydraulic conductivity. Unit tends to confine water in underlying aquifer.
Jameco aquifer	Jameco Gravel	Not known	Not identified in Suffolk County.
Monmouth greensand 2/	Monmouth Group	0-200	Interbedded marine deposits of dark-gray, olive-green, dark-greenish-gray, and greenish-black glauconitic and lignitic clay, silt, and clayey and silty sand. Unit has low hydraulic conductivity and tends to confine water in underlying aquifer.
Magothy aquifer	Matawan Group-Magothy Formation, undifferentiated	0-1,100	Gray and white fine to coarse sand of moderate hydraulic conductivity. Generally contains sand and gravel beds of low to high hydraulic conductivity in basal 100 to 200 feet. Contains much interstitial clay and silt, and beds and lenses of clay, of low hydraulic conductivity. A major aquifer.
Raritan clay	Clay member of the Raritan Formation	0-200	Gray, black, and multicolored clay and some silt and fine sand. Unit has low hydraulic conductivity and tends to confine water in underlying aquifer.
Lloyd aquifer	Lloyd Sand Member of the Raritan Formation	0-500	White and gray fine-to-coarse sand and gravel of moderate hydraulic conductivity and some clayey beds of low hydraulic conductivity. Not highly developed as an aquifer.
Bedrock	Undifferentiated crystalline rocks	Not known	Mainly metamorphic rocks of low hydraulic conductivity; surface generally weathered; considered to be the bottom of the groundwater reservoir. Not a source of water in Suffolk County.

1/ Adapted largely from Cohen and other (1968, p. 18).

2/ Name adopted in this report.

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Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N. Y.

EXPLANATION OF COLUMNAR DATA AND ABBREVIATIONS

Well Number

Well numbers are assigned by the New York State Department of Environmental Conservation. A prefix, letter S, which designates Suffolk County, is omitted from the well number in this table; thus, the official number of well 11428, for example, is S11428. Wells are listed in numerical order.

Location of Well

Locations of wells are given by map coordinates and by latitude and longitude, as shown on plate 1. Map coordinates are based on a latitude and longitude grid system established for Long Island (Veatch, and others, 1906). In this system, 5-minute intervals of latitude are lettered consecutively from south to north, and 5-minute intervals of longitude are numbered consecutively from west to east. The grid coordinates for Suffolk County are shown at the margins of plate 1. Thus, a well whose map coordinates are D15 is in the grid square bounded by lat 40°45' and 40°50'N and long 72°55' and 72°50'W.

Wells are also numbered according to the national well-numbering system of the U.S. Geological Survey. This system gives a precise location to the nearest second of latitude and longitude for each well listed in the table and a sequence number denoting the chronological order in which a particular well within a 1-second quadrangle was recorded. For example, in the description 403743N0732307.1 for well 12, the number before N (north) is latitude 40°37'43"N; the number after N is longitude 73°23'07"W; and the number after the period is sequence number 1. Thus this well was the first one recorded in the 1-second quadrangle defined by the latitude and the longitude.

Well Depth

Figures give total depth drilled at a well site, in feet below land surface. Completed depths of the wells, however, are commonly different from the depth of drilling. Depths of finished wells can be computed by the method described in the explanation of "Screen setting."

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N. Y. (Continued)

Hydrogeologic Unit Penetrated and Altitude of Upper Surface

The altitudes of the surfaces of the hydrogeologic units described in table 1 are given in feet above or below mean sea level. A minus (-) sign preceding the altitude figure indicates that the surface is below sea level. The number in the column "Upper glacial aquifer" is the altitude of the land surface at the well site. Absence of a number in a column indicates that the well was not drilled to the depth of the unit or that the unit was not known to be penetrated by the well.

Well-Completion Data

Hydrogeologic Unit Developed

This column identifies the hydrogeologic unit tapped by the well.

Screen Setting

Altitudes of the tops and the bottoms of well screens are given in feet above or below mean sea level. The bottom of a screen is effectively the bottom of a finished well. To compute the depth of a finished well, the figure showing the altitude of the bottom of the screen, if above sea level, is subtracted from the land-surface altitude at the well site (land-surface altitude is the same as the altitude of the upper surface of the upper glacial aquifer); where the bottom of a screen is below sea level, the altitude of the bottom of the screen, disregarding the minus sign, is added to that of the land surface. Sample computations of the depths of finished wells are as follows:

Well number	Altitude		Computation (feet)	Finished well depth (feet)
	Land surface (feet)	Screen bottom (feet)		
3504	80	5	80 - 5	75
19198	115	-307	115 + 307	422

Specific Capacity

The value in this column is the number of gallons pumped from the well per minute per foot of drawdown in the well, as reported by drillers. For example, if a well yields 500 gallons per minute with a drawdown of 10 feet in the well, the specific capacity is 500 divided by 10, or 50 gpm per ft.

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N. Y. (Continued)

Abbreviations

coord - coordinates
ft - feet
msl - mean sea level
gpm/ft - gallons per minute pumped per foot of drawdown in the well

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y.

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	SPECIFIC CAPACITY (GPM/FT)
3	D 8	404503N0732548.1	288	97			62				MAGOTHY	-13 TO -191	
12	B 9	403713N0732307.1	315	7	-76		-113				MAGOTHY	-295 TO -303	
13	C 9	404210N0732159.1	370	30			-54						
15	C 9	404224N0732237.1	101	40	-38								
16	C 9	404106N0732525.1	129	20	-52						UPGLAC		
17	C 9	404342N0732145.1	125	50	-43		-47						
18	D 9	404512N0732142.1	400	56			-18						
19	D10	404750N0731942.1	203	130			-54				UPGLAC		
24	D 9	404752N0732013.1	132	150			131				MAGOTHY	22 TO 18	
34	F 9	405530N0732241.1	1650	5						-597			
37	C10	404315N0731808.1	820	33			-65						
38	C10	404318N0731702.1	200	32			-63				MAGOTHY		
40	B12	403834N0730941.1	395	15	-75	-115	-304				MAGOTHY	-330 TO -380	
42	D10	404731N0731647.1	1008	120			-65	-706	-858				
45	D10	404940N0731652.1	129	160							UPGLAC		
48	E10	405329N0731843.1	740	123				-400	-572		LLOYD		25
49	E10	405327N0731843.1	752	130				-395	-590		LLOYD	-598 TO -621	
53	E10	405411N0731532.1	194	62							UPGLAC		
58	C11	404455N0731307.1	468	38	-71		-88						
64	E11	405136N0731251.1	205	20							UPGLAC		
68	E11	405355N0731436.1	414	66			-175				MAGOTHY		11
72	E11	405342N0731433.1	500	121			-154				MAGOTHY	-352 TO -366	10
74	C12	404308N0730955.1	111	10	-97								
78	C 9	404415N0732031.1	121	41			-50						
80	D12	404501N0730529.1	121	35			-72						
88	C 9	404358N0732047.1	116	40			-43						
92	D13	404552N0730120.1	180	15		-72	-137				MAGOTHY		
94	D13	404522N0730312.1	118	35								-165	
95	D13	404631N0730114.1	463	26			-131				MAGOTHY		
96	D13	404954N0730148.1	96	120							UPGLAC	-437	
99	E13	405034N0730145.1	255	260							UPGLAC		
105	E13	405209N0730007.1	220	95									
106	E13	405201N0730200.1	93	95							UPGLAC		
107	E13	405337N0730022.1	300	120							UPGLAC	15 TO 5	
108	E13	405256N0730040.1	190	80									
111	F13	405635N0730415.1	162	50									
112	F13	405715N0730414.1	245	10			-10				MAGOTHY		
114	F13	405705N0730358.1	333	5			-6				MAGOTHY	-308 TO -328	1
128	D15	404758N0725454.1	931	36			-136						
129	D15	404854N0725008.1	99	29									

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	WELL-COMPLETION DATA: SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	WELL-COMPLETION DATA: SPECIFIC CAPACITY (GPM/FT)
135	F15	405650N0725034.1	101	110							UPGLAC		
145	F17	405538N0724207.1	91	40							UPGLAC		
149	F17	405754N0724653.1	174	128							UPGLAC		
151	D18	404824N0723745.1	346	10		-143	-197				MAGOTHY	-336	
152	D18	404730N0723920.1	270	5		-128	-203				MAGOTHY		
153	D18	404720N0723959.1	269	5		-125	-203				MAGOTHY	-253 TO -263	
160	E18	405437N0723755.1	180	10							UPGLAC	-110 TO -170	
164	E21	405423N0722408.1	123	75							UPGLAC		
167	F20	405628N0722637.1	620	20	-74		-135				MAGOTHY	-600	
169	G20	410251N0722625.1	90	20							UPGLAC		
170	G20	410251N0722625.2	168	5							UPGLAC		
178	H21	410630N0722235.1	55	20							UPGLAC	-20 TO -35	
182	F22	405737N0721951.1	159	130							UPGLAC		
183	F22	405750N0721928.1	193	110							UPGLAC		
184	F22	405912N0721743.1	540	30			-285						
185	F22	405941N0721656.1	100	60							UPGLAC		
189	H22	410745N0721600.1	668	5			-208	-387	-487	-612			
190	F23	405756N0721143.1	76	50							UPGLAC		
191	F24	405916N0720805.1	130	110							UPGLAC		
197	H21	410509N0722130.1	27	18							UPGLAC		10
198	G21	410450N0722120.1	30	26							UPGLAC		
199	G21	410446N0722118.1	16	9							UPGLAC		14
208	D 8	404846N0732608.1	155	360			235				MAGOTHY		
236	C 9	404334N0732352.1	92	60							UPGLAC		
266	F 9	405506N0732412.1	340	10									
267	F 9	405602N0732243.1	350	5				-245	-325				
291	C11	404458N0731430.1	102	40									
296	D11	404504N0731231.1	41	28									
302	D11	404628N0731432.1	52	80							UPGLAC		
308	E11	405128N0731259.1	168	60							UPGLAC		
317	E11	405301N0731147.1	212	120							UPGLAC		
318	E11	405414N0731304.1	146	10							UPGLAC		
320	E11	405403N0731104.1	117	60							UPGLAC		
351	E12	405423N0730904.1	160	100			-40				MAGOTHY	-60	
357	F12	405548N0730644.1	252	80			-18				MAGOTHY		
360	F12	405657N0730643.1	320	40			-45				MAGOTHY		
368	F12	405814N0730524.1	165	10								-155	
375	D13	404622N0730057.1	140	25			-65				MAGOTHY		
397	F13	405638N0730412.1	96	50			10				MAGOTHY	-46	
407	F13	405706N0730338.1	370	200			-80				MAGOTHY		

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	SPECIFIC CAPACITY (GPM/FT)
421	F15	405652N0725354.1	347	135			-88				MAGOTHY	-212	
422	F15	405743N0725434.1	94	20							UPGLAC		
455	D18	404813N0723648.1	225	5	-130	-145	-175				MAGOTHY		
456	D18	404847N0723627.1	247	10	-125	-146	-182				MAGOTHY	-237	
490	H21	410559N0722150.1	690	16						-654			
492	H21	410822N0722114.1	50	40							UPGLAC		
495	F22	405604N0721820.1	300	30	-110		-125				MAGOTHY	-270	
518	H20	410505N0722624.1	96	75							UPGLAC	-18 TO -21	3
527	F17	405746N0724308.1	133	100							UPGLAC	-23 TO -33	
539	E12	405154N0730605.1	57	98							UPGLAC	44 TO 41	
552	F17	405721N0724434.1	113	105							UPGLAC	-5 TO -8	
569	E19	405239N0723140.1	55	45							UPGLAC	-7 TO -10	4
614	E21	405346N0722311.1	86	47							UPGLAC	-29 TO -39	
619	F17	405501N0724326.1	167	30									
638	F18	405603N0723836.1	89	10							UPGLAC	-64 TO -79	
644	F17	405839N0724038.1	158	150									
651	D 8	404848N0732544.1	274	310			132				UPGLAC	-6 TO -8	
657	E14	405302N0725855.1	54	90							MAGOTHY	46 TO 36	
660	E12	405007N0730525.1	145	180							UPGLAC	39 TO 36	
670	E20	405443N0722616.1	90	45							UPGLAC	45 TO 35	11
681	F18	405606N0723618.1	255	10							UPGLAC	-30 TO -45	10
703	B12	403859N0730754.1	408	5									
716	F18	405612N0723856.1	223	10							UPGLAC	-230 TO -245	
731	C 9	404455N0732348.1	129	85			-29					-383 TO -398	3
759	D 8	404953N0732624.1	134	140							UPGLAC	-208 TO -213	
777	E13	405049N0730210.1	235	240							UPGLAC	33 TO 17	
796	F16	405751N0724745.1	160	105							UPGLAC	8 TO 6	1
848	F 9	405714N0732349.1	80	59									
852	E11	405157N0731123.1	143	135							UPGLAC	5	
853	F14	405736N0725943.1	145	130							UPGLAC	-25 TO -55	125
911	D16	404904N0724945.1	64	45							UPGLAC	-15 TO -20	
912	E11	405308N0731231.1	416	90			-110				UPGLAC	2 TO -8	3
919	F13	405553N0730332.1	306	220							UPGLAC	-12 TO -15	
927	D 8	404858N0732559.1	519	350			1						
933	D14	404943N0725513.1	106	55							UPGLAC	-4 TO -19	
939	E14	405117N0725750.1	166	180							MAGOTHY	-309 TO -325	3
970	F14	405752N0725832.1	248	85							UPGLAC	-66 TO -86	
1052	B 9	403931N0732444.1	97	5	-55						MAGOTHY	-125 TO -140	5
1081	F 9	405530N0732330.1	109	59							UPGLAC	-20 TO -45	21
1101	F23	405718N0721250.1	63	40							UPGLAC	22 TO 14	
											UPGLAC	-15 TO -23	

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	SPECIFIC CAPACITY (GPM/FT)
1102	G20	410311N0722827.1	74	10							UPGLAC	-61 TO -64	
1215	F17	405743N0724259.1	114	95							UPGLAC	-9 TO -19	16
1250	H21	410605N0722142.1	70	9							UPGLAC	-41 TO -61	
1264	D16	404457N0724836.1	301	5		-97	-270				MAGOTHY	-284 TO -296	
1296	D 9	404907N0732035.1	216	240			80				MAGOTHY	32 TO 25	
1318	E19	405127N0723017.1	50	15							UPGLAC		25
1331	D14	404551N0725617.1	60	30							UPGLAC		
1341	E21	405412N0722328.1	99	38							UPGLAC	-38 TO -61	38
1370	B11	403756N0731313.1	375	10	-94	-98	-203				MAGOTHY	-353 TO -360	
1399	F25	405943N0720243.1	339	20		-150	-266				MAGOTHY		
1407	D16	404941N0724706.1	82	85							UPGLAC	9 TO 3	
1497	F12	405604N0730851.1	257	10			-172				MAGOTHY	-232 TO -237	
1531	E16	405208N0724945.1	138	45							UPGLAC	-90 TO -93	
1569	E12	405245N0730951.1	134	160							UPGLAC	29 TO 26	
1592	D16	404708N0724825.1	220	10	-114	-123	-203				MAGOTHY	-205 TO -210	
1601	F10	405507N0731834.1	128	80							UPGLAC	-43 TO -48	12
1609	F17	405818N0724131.1	121	100							UPGLAC	-1 TO -21	50
1610	F18	405749N0723931.1	93	70							UPGLAC	6 TO -14	29
1686	D11	404840N0731158.1	183	180							UPGLAC	0 TO -3	
1689	E13	405006N0730247.1	115	160							UPGLAC	54 TO 46	
1723	D10	404749N0731610.1	159	122			-37				UPGLAC		40
1743	D16	404712N0724822.1	229	10	-82	-120	-200				MAGOTHY	-209 TO -219	
1777	F18	405716N0723947.1	90	40							UPGLAC	-35 TO -50	
1790	F18	405646N0723855.1	84	40							UPGLAC	-24 TO -44	
1793	D 9	404840N0732100.1	273	320			132				MAGOTHY	50 TO 47	
1801	D 9	404826N0732030.1	175	200			148				MAGOTHY	33 TO 27	
1822	F16	405654N0724707.1	147	115							UPGLAC	-12 TO -32	22
1834	B 9	403650N0732455.1	300	10	-70		-92				MAGOTHY	-280 TO -290	1
1838	F17	405741N0724317.1	133	100							UPGLAC	-18 TO -33	65
1842	E 9	405119N0732003.1	445	205							UPGLAC	-220 TO -240	16
1892	F17	405621N0724435.1	100	85							UPGLAC	0 TO -15	14
1929	F17	405723N0724446.1	155	110							UPGLAC	-25 TO -45	
1951	E 9	405206N0732059.1	488	220							UPGLAC	-248 TO -268	13
2010	F17	405819N0724242.1	162	140							UPGLAC	-12 TO -22	
2016	F14	405656N0725533.1	120	150							UPGLAC		
2181	F13	405745N0730046.1	346	60							UPGLAC	-271 TO -286	
2314	D 9	404605N0732118.1	480	80			66				MAGOTHY	-385 TO -400	
2405	F23	405722N0721230.1	88	45							UPGLAC	-10 TO -40	57
2406	E11	405131N0731114.1	143	100							UPGLAC		
2424	D 9	404603N0732214.1	150	110			98				MAGOTHY	-37 TO -40	

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	SPECIFIC CAPACITY (GPM/FT)
2426	E11	405355N0731155.1	137	80							UPGLAC	-54 TO -57	
2459	C10	404100N0731925.1	131	10			-62				MAGOTHY		
2466	E11	405338N0731306.1	153	60							UPGLAC	-90 TO -93	
2485	E15	405109N0725130.1	75	69							UPGLAC	4 TO -6	19
2536	E21	405431N0722347.1	55	70							UPGLAC	18 TO 15	
2567	E11	405231N0731420.1	148	140							UPGLAC	-3 TO -8	
2569	F23	405711N0721307.1	67	25							UPGLAC	-29 TO -41	16
2570	F23	405721N0721230.1	90	45							UPGLAC	-15 TO -45	42
2586	F16	405755N0724712.1	146	127							UPGLAC	-17 TO -19	
2638	C 9	404044N0732143.1	180	10	-49		-120				MAGOTHY		
2650	F13	405635N0730129.1	208	165							UPGLAC	-40 TO -43	
2653	D 9	404955N0732156.1	114	180							UPGLAC	68 TO 66	
2654	F17	405759N0724205.1	140	98							UPGLAC	-21 TO -42	83
2676	F19	405940N0723330.1	59	12							UPGLAC	-37 TO -47	30
2712	G20	410449N0722650.1	68	53							UPGLAC	-13 TO -15	
2730	D 9	404757N0732155.1	335	200							UPGLAC	-129 TO -135	
2747	F14	405641N0725804.1	90	140							UPGLAC	15 TO 12	
2752	E11	405417N0731215.1	213	50							UPGLAC	-159 TO -163	
2978	E 9	405322N0732114.1	271	15							UPGLAC	-212 TO -252	7
3012	E 9	405322N0732114.2	181	15							UPGLAC	-129 TO -159	18
3045	G20	410251N0722625.3	55	20							UPGLAC	-19 TO -34	12
3087	D 8	404924N0732523.1	185	220							UPGLAC	38 TO 35	
3123	F20	405919N0722609.1	459	8			-182						
3184	D 8	404856N0732641.1	274	240			115				MAGOTHY	-30 TO -34	
3243	E12	405116N0730520.1	75	100							UPGLAC	28 TO 25	
3354	E10	405357N0731708.1	233	125							UPGLAC	-105 TO -108	
3369	E11	405142N0731302.1	118	85							UPGLAC	-33	
3438	D12	404908N0730705.1	101	100							UPGLAC	19 TO -1	32
3462	E12	405259N0730928.1	141	165							UPGLAC	27 TO 24	
3468	E18	405008N0723822.1	53	45							UPGLAC	3 TO -7	20
3487	F18	405841N0723845.1	91	130							UPGLAC	49 TO 39	12
3488	G19	410122N0723236.1	90	60							UPGLAC	-20 TO -30	16
3495	D19	404931N0723202.1	360	6	-111	-134	-219				MAGOTHY	-354	
3504	C 8	404423N0732534.1	75	80							UPGLAC	23 TO 5	
3506	D18	404946N0723856.1	102	40							UPGLAC	-51 TO -61	3
3537	E17	405004N0724238.1	43	43							UPGLAC		
3539	E17	405121N0724156.1	88	79							UPGLAC		
3554	F 9	405714N0732347.1	106	71							UPGLAC	-24 TO -30	
3570	F17	405700N0724207.1	160	80							UPGLAC	-60 TO -80	23
3585	H24	410619N0720614.1	90	80							UPGLAC	-7 TO -10	

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	SPECIFIC CAPACITY (GPM/FT)
3599	G27	410412N0715130.1	69	40							UPGLAC	-23 TO -29	
3636	C15	404350N0725217.1	377	10	-105	-128	-268				MAGOTHY	-349 TO -364	
3697	H21	410722N0722107.1	79	36							UPGLAC	-27 TO -43	
3698	H21	410725N0722105.1	79	38							UPGLAC	-25 TO -41	23
3721	F17	405537N0724321.1	90	60							UPGLAC	-15 TO -30	28
3722	F17	405614N0724035.1	110	25							UPGLAC		
3761	E10	405328N0731706.1	150	160							UPGLAC		
3764	F18	405658N0723831.1	54	42							UPGLAC	8 TO -12	66
3765	F17	405634N0724015.1	54	30							UPGLAC	-4 TO -24	20
3767	F17	405718N0724112.1	74	65							UPGLAC	6 TO -9	28
3771	D 9	404927N0732241.1	195	240			93				MAGOTHY	48 TO 45	
3868	F12	405512N0730606.1	114	99			-44				UPGLAC	-15	
3875	F16	405554N0724550.1	115	90							UPGLAC	-5 TO -25	25
3941	E16	405431N0724549.1	85	60							UPGLAC		
3957	F16	405521N0724549.1	115	68							UPGLAC	-32 TO -47	36
3966	F19	405801N0723254.1	52	14							UPGLAC	-23 TO -38	
4048	F17	405743N0724342.1	172	105							UPGLAC	-47 TO -67	17
4080	E16	405418N0724510.1	70	50							UPGLAC	0 TO -20	34
4081	F19	405946N0723420.1	117	40							UPGLAC	-57 TO -77	26
4085	F18	405529N0723822.1	60	12							UPGLAC	-33 TO -48	80
4091	G20	410342N0722530.1	144	20							UPGLAC	-5 TO -25	37
4105	E12	405021N0730706.1	68	92							UPGLAC	24	
4126	D 9	404919N0732221.1	190	170			75				MAGOTHY	-16 TO -20	
4134	F17	405534N0724018.1	225	24			-196				UPGLAC		
4152	F14	405752N0725657.1	147	115									
4163	G20	410251N0722625.4	45	20							UPGLAC	-10 TO -25	24
4184	E10	405032N0731616.1	162	143							UPGLAC	7 TO -19	
4266	D10	404630N0731800.1	125	80							UPGLAC	-1 TO -21	
4466	E 8	405452N0732824.1	370	20				-210	-320		LLOYD		
4475	F18	405832N0723522.1	95	55							UPGLAC	-20 TO -40	46
4484	G21	410245N0722444.1	51	15							UPGLAC	-21 TO -36	24
4512	F18	405836N0723547.1	114	63							UPGLAC	-21 TO -48	35
4519	D10	404813N0731944.1	118	140							UPGLAC	25 TO 22	
4532	E10	405354N0731725.1	350	150							UPGLAC	-191 TO -200	
4533	F 8	405527N0732947.1	142	60							UPGLAC	-55 TO -63	
4534	D 9	404740N0732029.1	120	130							UPGLAC	15 TO 10	
4571	F12	405753N0730907.1	569	15			-260					-554	
4577	F17	405808N0724037.1	100	90							UPGLAC		
4580	G20	410109N0722902.1	55	25							UPGLAC	-15 TO -30	22
4583	E10	405120N0731721.1	550	165			-267				MAGOTHY	-315 TO -360	

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	SPECIFIC CAPACITY (GPM/FT)
4594	D 9	404940N0732026.1	183	200			19				UPGLAC	25 TO 20	
4615	E10	405006N0731746.1	148	130							UPGLAC	7 TO -13	
4656	D 9	404605N0732408.1	141	100			33				MAGOTHY	-37 TO -41	
4676	F18	405832N0723737.1	97	81							UPGLAC		
4679	D17	404927N0724401.1	94	20							UPGLAC	-43 TO -74	23
4725	G19	410122N0723022.1	118	47							UPGLAC	-45 TO -71	
4761	B12	403842N0730859.1	536	5	-105	-135	-287				MAGOTHY	-510 TO -525	6
4814	F17	405503N0724313.1	151	35							UPGLAC	-95 TO -116	18
4827	E 9	405143N0732154.1	199	216							UPGLAC	17	
4828	E 9	405020N0732206.1	141	185			95				MAGOTHY	44	
4900	E10	405438N0731715.1	229	130							UPGLAC	-89 TO -99	
4945	E11	405259N0731335.1	223	150							UPGLAC	-69 TO -73	
4949	F19	405921N0723202.1	55	20							UPGLAC	-15 TO -30	17
4984	F 8	405541N0732942.1	170	60							UPGLAC	-93 TO -109	
4997	D 9	404948N0732246.1	192	240			134				MAGOTHY	52 TO 48	
5049	E11	405254N0731306.1	160	160							UPGLAC	3 TO 0	
5134	D 9	404756N0732033.1	160	175			80				MAGOTHY	23 TO 18	
5140	F17	405535N0724108.1	270	30			-185				UPGLAC	-149 TO -164	3
5277	H20	410509N0722636.1	99	70							UPGLAC		
5366	F17	405623N0724030.1	65	35							UPGLAC		
5368	E11	405409N0731058.1	160	40							UPGLAC		
5463	E12	405309N0730935.1	155	162							UPGLAC		
5475	G20	410030N0722718.1	30	15							UPGLAC		
5591	C15	404450N0725103.1	306	5	-105	-125	-245				MAGOTHY	-293 TO -301	
5615	F22	405721N0721955.1	165	119							UPGLAC	-22 TO -42	
5619	D16	404625N0724856.1	272	5		-175	-255				MAGOTHY	-267	
5670	D 9	404838N0732037.1	183	230			184				MAGOTHY	51 TO 47	
5696	F22	405556N0721648.1	42	20							UPGLAC	-12 TO -22	
5700	F17	405502N0724119.1	123	25							UPGLAC		
5716	D 9	404630N0732150.1	159	200			151				MAGOTHY	41	
5719	D 9	404949N0732310.1	154	200							UPGLAC	56 TO 50	
5755	C15	404450N0725104.1	306	5		-125	-245				MAGOTHY	-301	
5834	D12	404802N0730638.1	134	98							UPGLAC	-3 TO -34	45
5869	D 9	404613N0732336.1	191	200			156				MAGOTHY		1
5901	F13	405701N0730443.1	891	15			-25	-498	-595	-813			
5902	F13	405657N0730427.1	530	120			-36				MAGOTHY	-368 TO -410	
5915	G23	410156N0721016.1	76	40							UPGLAC	-22 TO -27	
6100	F 9	405544N0732331.1	58	30							UPGLAC		
6111	H24	410543N0720630.1	103	60							UPGLAC	-33 TO -48	9
6187	C13	404349N0730209.1	310	5	-95	-158	-276				MAGOTHY	-299 TO -305	

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	WELL-COMPLETION DATA: SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	WELL-COMPLETION DATA: SPECIFIC CAPACITY (GPM/FT)
6193	G20	410347N0722720.1	75	15							UPGLAC	-45 TO -60	41
6409	E15	405132N0725355.1	1591	117	-78		-178	-1043	-1173	-1406	LLOYD	-1292 TO -1317	1
6420	E15	405017N0725033.1	89	65							UPGLAC	-19 TO -24	
6421	E16	405025N0724951.1	91	90							UPGLAC	4 TO -1	
6422	E15	405451N0725005.1	151	73							UPGLAC	-73 TO -78	
6423	F15	405532N0725014.1	91	100							UPGLAC	14 TO 9	
6425	E15	405136N0725227.1	86	70							UPGLAC	-11 TO -16	
6426	E15	405128N0725158.1	86	69							UPGLAC	-12 TO -17	
6434	E15	405223N0725234.1	1600	85	-105		-157	-952	-1101	-1404	LLOYD	-1227 TO -1307	2
6456	E15	405218N0725311.1	217	91	-54		-119						
6457	D15	404803N0725214.1	214	53	-89		-146				MAGOTHY	-158 TO -161	
6458	E15	405326N0725058.1	262	61			-159				MAGOTHY	-196 TO -201	
6459	E15	405122N0725101.1	165	45	-91		-100				MAGOTHY	-115 TO -120	
6513	G19	410038N0723338.1	110	70							UPGLAC	-27 TO -39	17
6678	C10	404022N0731625.1	124	1	-64		-88						
6771	G21	410418N0722200.1	81	100							UPGLAC	22 TO 19	
6773	F17	405734N0724151.1	94	85							UPGLAC	-3 TO -8	
6949	F10	405541N0731940.1	101	8							UPGLAC		
7016	F 9	405628N0732402.1	79	40							UPGLAC		
7123	G20	410436N0722556.1	84	40							UPGLAC	-21 TO -41	33
7148	D 9	404804N0732037.1	144	170			127				MAGOTHY	32 TO 26	
7211	G19	410215N0723036.1	136	67							UPGLAC	-45 TO -69	30
7218	F23	405632N0721214.1	42	20							UPGLAC	-11 TO -22	
7267	G19	410150N0723005.1	43	18							UPGLAC		
7271	D 9	404602N0732415.1	406	100			26					-306	
7281	H23	410919N0721447.1	22	13							UPGLAC		
7285	F17	405831N0724138.1	172	120							UPGLAC		45
7287	F24	405751N0720922.1	54	34							UPGLAC		
7314	D 9	404911N0732144.1	170	215			96				MAGOTHY	48 TO 45	
7350	B12	403850N0730934.1	422	10	-90	-120	-300				MAGOTHY	-392 TO -412	21
7352	F17	405747N0724027.1	121	75							UPGLAC		
7367	E 9	405005N0732134.1	163	220							UPGLAC	60 TO 57	
7499	F21	405620N0722037.1	108	55							UPGLAC	-30 TO -53	28
7519	D14	404636N0725936.1	294	20	-101		-122				MAGOTHY	-264 TO -274	
7569	E19	405127N0723017.2	31	15							UPGLAC	-6 TO -16	
7570	F23	405840N0721145.1	162	70							UPGLAC	-66 TO -92	36
7650	F22	405741N0721903.1	87	120							UPGLAC	42 TO 39	
7688	G20	400241N0722855.1	91	45							UPGLAC	-24 TO -46	25
7701	E20	405322N0722518.1	60	22							UPGLAC	-11 TO -33	30
7878	G19	410024N0723147.1	57	25							UPGLAC	-12 TO -32	40

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	SPECIFIC CAPACITY (GPM/FT)
7881	F16	405603N0724804.1	123	92							UPGLAC	-7 TO -27	32
7882	F19	405748N0723451.1	126	37							UPGLAC	-74 TO -89	17
7908	F18	405740N0723959.1	112	68							UPGLAC		
7935	D10	404853N0731654.1	146	175							UPGLAC	34 TO 30	
8025	F17	405712N0724231.1	130	85							UPGLAC	-24 TO -44	
8077	F17	405639N0724220.1	200	70							UPGLAC	-112 TO -130	12
8117	D10	404914N0731940.1	250	260			42				MAGOTHY	21 TO 16	
8120	E 9	405138N0732106.1	375	220							UPGLAC	-125 TO -155	8
8121	E10	405134N0731858.1	327	180							UPGLAC	-104 TO -147	
8128	D 9	404833N0732430.1	385	144			82						
8133	G20	410225N0722921.1	128	57							UPGLAC	-45 TO -71	24
8205	D 9	404848N0732033.1	203	235			70				MAGOTHY	32	
8220	G24	410058N0720752.1	64	50							UPGLAC	-5 TO -9	
8388	F18	405658N0723850.1	86	40							UPGLAC	-16 TO -46	
8448	E10	405059N0731858.1	520	190							UPGLAC	-310 TO -330	7
8608	H21	410528N0722328.1	108	5									
8667	G20	410112N0722944.1	62	35							UPGLAC	-6 TO -26	37
8779	H22	410902N0721613.1	15	13							UPGLAC		
8782	H21	410647N0732220.1	25	22							UPGLAC		
8835	E19	405307N0723235.1	33	33							UPGLAC		
8861	D 8	404730N0732605.1	246	290			240				MAGOTHY	50 TO 44	
8895	F16	405802N0724939.1	157	135							UPGLAC	-14 TO -19	9
8904	E17	405401N0724335.1	95	50							UPGLAC	-29 TO -44	15
8943	D 9	404649N0732152.1	268	240			28				MAGOTHY	-18 TO -26	
8980	F24	405845N0720824.1	104	48							UPGLAC	-27 TO -56	40
9011	E10	405107N0731643.1	199	140							UPGLAC	-20 TO -26	
9067	C 9	404424N0732457.1	300	85			-46				MAGOTHY		
9087	F13	405601N0730021.1	255	160	-55						UPGLAC		
9211	F18	405824N0723831.1	125	80							UPGLAC		
9251	E 9	405022N0732236.1	179	200			155				MAGOTHY	24 TO 21	
9281	F21	405631N0722448.1	295	5			-145						
9349	C13	404104N0730022.2	340	10	-140	-150	-310				MAGOTHY	-320 TO -330	
9470	F22	405609N0721814.1	71	30							UPGLAC	-11 TO -26	83
9484	E20	405246N0722635.1	437	30			-133						
9499	E20	405437N0722728.1	190	55							UPGLAC	17 TO 7	
9582	D18	404959N0723750.1	59	40							UPGLAC		
9583	E18	405019N0723720.1	59	30							UPGLAC		
9584	E18	405043N0723715.1	61	35							UPGLAC		
9654	F10	405504N0731842.1	223	10							UPGLAC		
9752	D 9	404910N0732317.1	224	265							UPGLAC	44 TO 41	

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	SPECIFIC CAPACITY (GPM/FT)
9771	E10	405045N0731615.1	151	140							UPGLAC		
9868	D18	404809N0723702.1	317	5	-115	-135	-175				MAGOTHY		
9973	D17	404706N0724051.1	275	10	-110	-157	-205				MAGOTHY	-255 TO -265	
10024	F14	405551N0725851.1	185	130							UPGLAC		
10091	G20	410231N0722954.1	103	60							UPGLAC	-22 TO -43	20
10163	G19	410117N0723155.1	107	57							UPGLAC	-29 TO -50	34
10219	D15	404551N0725050.1	45	13							UPGLAC	-17 TO -32	
10238	F 8	405527N0732854.1	152	105							UPGLAC		
10260	E 8	405123N0732723.1	386	225							UPGLAC	-140 TO -151	4
10364	F19	405642N0723444.1	52	13							UPGLAC	-18 TO -39	50
10365	F18	405925N0723509.1	142	60							UPGLAC	-60 TO -82	54
10384	E16	405448N0724800.1	309	55							UPGLAC		
10538	F12	405732N0730625.1	81	32							UPGLAC	-29 TO -49	17
10546	D13	404816N0730011.1	73	75							UPGLAC	13 TO 3	
10632	G19	410022N0723158.1	104	25							UPGLAC	-59 TO -79	
10641	C10	404219N0731905.1	62	19							UPGLAC	-18 TO -39	66
10689	F14	405507N0725954.1	190	135							UPGLAC	-25 TO -55	
10724	F19	405730N0723332.1	89	22							UPGLAC	-41 TO -63	35
10729	D16	404923N0724613.1	101	62							UPGLAC	-14 TO -39	
10733	D18	404943N0723723.1	58	10							UPGLAC	-22 TO -48	31
10760	C 9	404148N0732259.1	85	35	-46						UPGLAC	-24 TO -40	38
10766	D10	404842N0731720.1	137	130							UPGLAC	-2 TO -7	1
10830	D 9	404612N0732445.1	80	110							UPGLAC	46 TO 30	
10876	E19	405042N0723318.1	353	13	-127		-139						
10902	E10	405215N0731619.1	438	140			-214				UPGLAC		15
10914	F18	405546N0723909.1	340	25							UPGLAC	-285 TO -315	30
10922	E21	405323N0722333.1	107	22							UPGLAC	-79 TO -84	10
10931	E20	405311N0722854.1	102	66							UPGLAC	-33 TO -36	
10941	F13	405506N0730345.1	185	171							UPGLAC	17 TO -13	10
10977	F19	405657N0723408.1	50	12							UPGLAC	-23 TO -38	21
11105	E 9	405342N0732038.1	517	175							UPGLAC	-294 TO -342	30
11241	G19	410122N0723042.1	91	55							UPGLAC	-15 TO -35	19
11242	G19	410004N0723100.1	90	37							UPGLAC	-40 TO -51	32
11260	E16	405038N0724626.1	154	125							UPGLAC	-9 TO -29	20
11261	F18	405839N0723612.1	116	60							UPGLAC	-32 TO -52	18
11262	D 8	404617N0732507.1	175	110							UPGLAC	-16 TO -56	
11267	D 9	404719N0732029.1	102	110							UPGLAC	23 TO 8	5
11279	B10	403825N0731521.1	323	10	-71	-88	-166				MAGOTHY	-276 TO -313	
11428	C11	404236N0731323.1	180	5	-70		-121				MAGOTHY	-169 TO -175	5
11538	C11	404319N0731453.1	120	12	-61		-77				UPGLAC	-40 TO -58	12

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	SPECIFIC CAPACITY (GPM/FT)
11673	D 8	404635N0732631.1	198	260							UPGLAC	68 TO 62	
11695	G21	410148N0722350.1	75	5									
11737	G20	410330N0722753.1	88	30							UPGLAC	-37 TO -57	40
11748	H21	410553N0722327.1	67	20							UPGLAC	-44 TO -47	2
11803	E 9	405008N0732148.1	259	172							UPGLAC	8 TO -45	78
11810	E11	405045N0731205.1	296	35							UPGLAC	-99 TO -129	6
11891	E10	405054N0731510.1	328	70			-49				UPGLAC	-6 TO -39	22
11929	G20	410400N0722629.1	87	35							UPGLAC	-31 TO -51	26
12015	G20	410151N0722741.1	71	20							UPGLAC	-31 TO -51	30
12079	D 9	404750N0732415.1	445	141			20				MAGOTHY	-223 TO -303	50
12081	F12	405648N0730749.1	79	70							UPGLAC	-6 TO -9	
12092	E17	405100N0724409.1	135	83							UPGLAC	-32 TO -52	
12130	E 8	405126N0732736.1	307	70							UPGLAC	-196 TO	75
12151	G21	410416N0722435.1	61	10							UPGLAC	-36 TO -51	25
12160	F17	405810N0724241.1	174	125							UPGLAC	-33 TO -48	25
12163	D10	404821N0731856.1	169	165							UPGLAC	20 TO 10	8
12366	E 8	405224N0732643.1	264	160							UPGLAC	-53 TO -97	9
12379	C 9	404059N0732214.1	75	18	-52						UPGLAC	-39 TO -44	3
12383	D10	404942N0731802.1	183	140							UPGLAC	20 TO -41	7
12400	G20	410415N0722517.1	72	20							UPGLAC	-37 TO -52	15
12416	F13	405733N0730021.1	167	145							UPGLAC	-17 TO -22	
12420	G19	410131N0723134.1	120	58							UPGLAC	-37 TO -58	44
12424	D13	404517N0730152.1	56	22							UPGLAC	-17 TO -33	16
12441	C 9	404039N0732132.1	162	3	-57		-113				MAGOTHY	-153 TO -159	
12465	G22	410420N0721959.1	96	53							UPGLAC	-24 TO -43	
12472	D13	404711N0730053.1	95	40							UPGLAC	-34 TO -54	13
12542	E 9	405055N0732133.1	254	205							UPGLAC	-19 TO -49	8
12556	F18	405943N0723521.1	134	100							UPGLAC	-29 TO -34	
12591	F22	405744N0721848.1	119	110							UPGLAC	-1 TO -4	
12628	C10	404053N0731915.1	159	5	-46		-98				MAGOTHY	-148 TO -154	2
12702	D18	404942N0723723.1	56	10							UPGLAC	-20 TO -46	29
12873	D10	404558N0731825.1	388	82			-38						
13175	E 9	405015N0732343.1	265	178							UPGLAC	9 TO -85	52
13192	H21	410822N0722106.1	50	35							UPGLAC	-12 TO -15	
13203	F22	405925N0721939.1	50	3							UPGLAC	-29 TO -44	
13205	F21	405952N0722022.1	148	6							UPGLAC	-127 TO -142	
13248	E10	405302N0731530.1	196	163							UPGLAC	24 TO -1	18
13489	F19	405940N0723014.1	65	15							UPGLAC	-29 TO -50	19
13534	D10	404527N0731503.1	126	62	-58						UPGLAC	-27 TO -57	53
13537	F20	405954N0722842.1	28	15							UPGLAC	-6 TO -13	

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	SPECIFIC CAPACITY (GPM/FT)
13568	F22	405605N0721906.1	73	40							UPGLAC	-26 TO -33	
13579	D 8	404937N0732626.1	126	175			142				MAGOTHY	55 TO 49	
13591	D 8	404600N0732624.1	309	170			73						
13640	F18	405922N0723626.1	119	85							UPGLAC	-19 TO -34	18
13642	D10	404821N0731715.1	95	90							UPGLAC	11 TO -5	
13712	E 9	405244N0732414.1	236	190							UPGLAC		
13854	B 9	403800N0732034.1	319	15	-75		-95				MAGOTHY	-288 TO -304	
13876	E 8	405013N0732638.1	298	120			67				MAGOTHY	-126 TO -178	38
13886	C12	404404N0730506.1	37	20							UPGLAC	-12 TO -17	9
14150	C11	404352N0731343.1	71	11							UPGLAC	-39 TO -60	14
14250	D12	404835N0730634.1	137	110							UPGLAC	-7 TO -27	13
14326	D11	404920N0731427.1	225	70			-38				MAGOTHY	-71 TO -155	63
14521	E 9	405143N0732019.1	552	200							UPGLAC	-259 TO -352	86
14559	E14	405320N0725831.1	81	85							UPGLAC	15 TO 4	
14560	D13	404733N0730440.1	61	88							UPGLAC	33 TO 27	
14579	D10	404954N0731839.1	554	157			-121				MAGOTHY	-298 TO -350	61
14588	D12	404928N0730534.1	140	132							UPGLAC	15 TO -5	
14612	F14	405746N0725635.1	140	100							UPGLAC	-18 TO -40	
14623	H22	410903N0721520.1	42	12							UPGLAC	-20 TO -30	17
14675	E 8	405113N0732606.1	595	230				-337					
14678	D17	404628N0724308.1	376	10	-98	-130	-210				MAGOTHY	-355 TO -365	
14710	D14	404553N0725618.1	116	30							UPGLAC	-53 TO -83	72
14750	F 9	405559N0732324.1	135	100			62				UPGLAC	-30 TO -35	
14759	D 9	404816N0732150.1	411	200							UPGLAC	-166 TO -208	49
14767	E17	405452N0724001.1	215	20							UPGLAC	-164 TO -194	31
14776	E10	405459N0731634.1	96	60							UPGLAC	-26 TO -32	
14825	D 8	404538N0732622.1	193	140			105				MAGOTHY	-17 TO -48	1
14828	E 8	405113N0732606.1	506	227							UPGLAC	-273	357
14885	E12	405033N0730903.1	74	110							UPGLAC	42 TO 39	
14904	C11	404221N0731142.1	238	3	-74		-107				MAGOTHY	-218 TO -233	
14907	E19	405206N0723436.1	188	170							UPGLAC	-14 TO -18	
14921	F23	405813N0721009.1	125	50							UPGLAC	-44 TO -74	
14977	E15	405158N0725258.1	298	97	-81		-133				MAGOTHY	-23 TO -293	
14987	E 9	405106N0732246.1	217	210							UPGLAC	10 TO -5	
15008	B12	403850N0730812.1	406	5	-110	-128	-263				MAGOTHY	-367 TO -401	2
15015	F18	405738N0723906.1	134	64							UPGLAC	-50 TO -70	22
15037	D14	404639N0725856.1	102	42							UPGLAC	-30 TO -60	
15091	G24	410256N0720946.1	169	45							UPGLAC	-55 TO -95	77
15106	C14	404245N0725546.1	1942	5	-111	-137	-235	-1279	-1505	-1906			
15189	E 9	405247N0732355.1	210	210							UPGLAC		

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	SPECIFIC CAPACITY (GPM/FT)
15212	C10	404136N0731737.1	290	7	-58		-73				MAGOTHY	-223 TO -262	24
15219	E17	405452N0724000.1	282	20							UPGLAC	-163 TO -255	47
15285	D13	404902N0730112.1	64	65							UPGLAC	11 TO 1	13
15338	E10	405015N0731701.1	170	150							UPGLAC		
15348	E18	405415N0723619.1	49	20							UPGLAC	-12 TO -27	23
15366	D10	404917N0731953.1	240	290			100				MAGOTHY		
15427	E10	405002N0731645.1	137	140							UPGLAC	8 TO 3	
15431	F 8	405525N0732610.1	95	85							UPGLAC		
15432	F 8	405520N0732705.1	120	60							UPGLAC		
15461	F 8	405551N0732714.1	108	80							UPGLAC	-23 TO -29	
15505	C 9	404232N0732041.1	80	26			-49				UPGLAC	-23 TO -51	83
15514	E10	405308N0731751.1	595	200			-180				MAGOTHY	-333 TO -393	85
15515	E10	405307N0731751.1	356	200							UPGLAC	-116 TO -156	16
15520	D15	404629N0725448.1	43	15							UPGLAC	-23 TO -28	12
15532	E12	405242N0730739.1	196	120							UPGLAC	-61 TO -76	
15539	D13	404553N0730035.1	315	20	-95	-122	-165				MAGOTHY	-279 TO -295	17
15554	F 8	405527N0732636.1	123	80							UPGLAC	-38 TO -43	
15651	E14	405415N0725901.1	106	90							UPGLAC	4 TO -16	
15681	D11	404841N0731350.1	119	115							UPGLAC	4 TO -4	
15775	C10	404304N0731635.1	291	25	-55		-98						
15776	E 8	405113N0732608.1	504	230							UPGLAC	-210 TO -270	214
15795	H21	410729N0722108.1	81	42							UPGLAC	-23 TO -38	9
15809	D10	404724N0731650.1	153	100							UPGLAC	-18 TO -50	65
15863	E 8	405115N0732659.1	222	220							UPGLAC	8 TO 0	
15901	C13	404104N0730022.3	408	10	-140		-150				MAGOTHY	-373 TO -398	
15902	G20	410009N0722708.1	63	52							UPGLAC	-3 TO -11	
15914	D 9	404628N0732047.1	124	85							UPGLAC	-28 TO -39	
15923	E10	405144N0731554.1	264	140			-83				UPGLAC	-8 TO -123	45
15949	E15	405230N0725251.1	224	80	-58						UPGLAC	-19 TO -39	15
15950	E15	405232N0725317.1	223	75	-68						UPGLAC	-23 TO -43	15
15951	E15	405233N0725323.1	218	70	-65						UPGLAC	-12 TO -32	37
15962	F12	405607N0730724.1	124	84							UPGLAC	-1 TO -39	71
15977	B 9	403937N0732346.1	162	4	-51		-128				MAGOTHY	-136 TO -158	
16070	D 8	404829N0732534.1	190	220			76				MAGOTHY		
16124	D13	404947N0730426.1	164	130							UPGLAC	-14 TO -34	66
16129	E10	405302N0731530.2	550	160			-227				MAGOTHY	-251 TO -387	72
16135	D12	404902N0730649.1	110	111							UPGLAC	11 TO 1	
16137	E 8	405027N0732503.1	604	160							UPGLAC	-380 TO -442	45
16176	D10	404528N0731505.2	117	62							UPGLAC	-19 TO -55	69
16256	C10	404402N0731930.2	650	41			-51				MAGOTHY	-503 TO -556	35

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	SPECIFIC CAPACITY (GPM/FT)
16273	B11	403826N0731040.1	416	5	-106	-130	-275				MAGOTHY	-344 TO -411	
16329	E 9	405155N0732139.1	285	235							UPGLAC		
16395	B12	403859N0730753.1	404	10	-105	-116	-262				MAGOTHY	-345 TO -394	
16442	F17	405809N0724241.1	163	125							UPGLAC	-25 TO -35	17
16443	F20	405629N0722539.1	50	10							UPGLAC	-23 TO -38	21
16526	D 8	404707N0732521.1	301	120			35						
16585	F 9	405615N0732338.1	108	125							UPGLAC		
16601	D10	404946N0731923.1	141	180							UPGLAC	46 TO 39	
16604	D10	404849N0731929.1	183	210			81				MAGOTHY	33 TO 27	
16605	D 8	404824N0732635.1	257	260			220				MAGOTHY	12 TO 6	
16665	D17	404628N0724308.2	495	10	-100	-130	-210				MAGOTHY	-470 TO -485	
16668	F22	405913N0721743.1	146	15							UPGLAC	-98 TO -131	17
16698	G22	410345N0721933.1	57	35							UPGLAC	-11 TO -22	10
16700	C10	404331N0731929.1	58	30							UPGLAC	-17 TO -28	14
16714	E17	405242N0724117.1	304	260	-34						UPGLAC	-24 TO -34	10
16756	F18	405843N0723529.1	66	60							UPGLAC		
16757	F19	405801N0723454.1	51	40							UPGLAC		
16760	G19	410045N0723237.1	82	67							UPGLAC		
16761	F19	405935N0723058.1	51	27							UPGLAC		
16763	G19	410104N0723143.1	71	57							UPGLAC		
16764	G19	410102N0723031.1	63	38							UPGLAC		
16777	G20	410225N0722837.1	66	37							UPGLAC		
16787	H22	410858N0721715.1	44	43							UPGLAC		
16892	D17	404947N0724056.1	76	45							UPGLAC		
16893	D17	404945N0724142.1	69	45							UPGLAC		
16936	C 8	404354N0732525.1	211	75			-38				MAGOTHY	-115 TO -136	25
17037	D14	404952N0725836.1	155	90							UPGLAC	-25 TO -65	43
17128	I23	411043N0721210.1	61	16							UPGLAC	-15 TO -18	
17131	I23	411111N0721119.1	96	65							UPGLAC	-11 TO -14	
17135	I23	411053N0721140.1	56	36							UPGLAC	-5 TO -8	
17137	I23	411038N0721149.1	42	16							UPGLAC	-14 TO -17	
17181	C12	404340N0730834.1	314	1	-108		-129				MAGOTHY	-303 TO -313	6
17215	E18	405020N0723715.1	55	25							UPGLAC		
17438	E13	405221N0730329.1	245	90							UPGLAC	-125 TO -155	45
17553	E18	405023N0723715.1	61	25							UPGLAC		
17631	B 9	403806N0732019.1	315	15	-68		-80				MAGOTHY	-288 TO -300	
17668	D15	404937N0725500.1	69	50							UPGLAC	2 TO -19	20
17705	D17	404856N0724341.1	385	10	-104		-132				MAGOTHY	-357 TO -368	5
17835	G19	410035N0723335.1	101	60							UPGLAC	-31 TO -41	15
17963	F13	405753N0730145.1	520	10									

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	SPECIFIC CAPACITY (GPM/FT)
18003	C 9	404232N0732041.2	671	26			-50				MAGOTHY	-585 TO -645	39
18058	D 9	404952N0732115.1	706	265			30				MAGOTHY	-367 TO -436	85
18075	D10	404707N0731905.1	628	110			-155						
18129	D14	404843N0725506.1	80	40							UPGLAC	-29 TO -40	
18261	D10	404707N0731904.2	388	110			-156				MAGOTHY	-180 TO -263	32
18473	E12	405000N0730723.1	660	65			-490				MAGOTHY	-585 TO -595	
18480	D15	404653N0725118.1	393	32	-84	-123	-188				MAGOTHY	-335 TO -361	7
18528	C15	404355N0725202.1	427	15	-104	-133	-237				MAGOTHY	-391 TO -412	
18566	D10	404528N0731505.1	653	62			-51				MAGOTHY	-260 TO -321	18
18621	D10	404707N0731904.3	201	110							UPGLAC	-34 TO -91	36
18729	D15	404600N0725210.1	355	23	-89	-115	-217				MAGOTHY	-282 TO -332	
18795	F24	405931N0720623.1	55	10							UPGLAC	-30 TO -45	
18822	D17	404809N0724154.1	45	15							UPGLAC	-20 TO -30	11
18846	C13	404002N0730329.1	549	15	-111	-119	-325				MAGOTHY	-508 TO -534	15
19048	C10	404304N0731617.1	735	25	-48		-97				MAGOTHY	-638 TO -701	50
19057	E10	405040N0731758.1	681	150			-251				MAGOTHY	-454 TO -526	56
19123	C12	404443N0730939.1	209	20	-86		-122				MAGOTHY	-173 TO -188	
19198	E 8	405356N0732758.1	505	115				-260	-336		UPGLAC	-226 TO -307	3
19317	B12	403942N0730501.1	480	3	-133	-142	-337				MAGOTHY	-422 TO -477	7
19395	D11	404907N0731050.1	167	139							UPGLAC		
19408	D14	404953N0725836.1	166	92							UPGLAC	-44 TO -74	
19485	G27	410406N0715239.1	163	50							UPGLAC	-87 TO -90	
19488	G27	410340N0715245.1	163	48							UPGLAC	-73 TO -76	
19490	G27	410338N0715205.1	163	31							UPGLAC	-69 TO -72	
19554	C 9	404235N0732256.1	105	41	-54		-64				UPGLAC	-24 TO -59	94
19564	E12	405455N0730728.1	634	140			-7				MAGOTHY	-436 TO -493	60
19565	D11	404551N0731043.1	119	44							UPGLAC	-39 TO -74	
19576	C11	404448N0731056.1	90	25							UPGLAC	-55 TO -65	10
19584	D11	404808N0731133.1	157	95							UPGLAC	-25 TO -60	137
19884	E12	405130N0730718.1	303	80							UPGLAC	-187 TO -208	7
19885	E12	405129N0730719.1	295	72							UPGLAC	-202 TO -223	5
19961	D16	404932N0724835.1	100	67							UPGLAC	-18 TO -33	
19965	C10	404225N0731812.1	46	25							UPGLAC		25
19988	H22	410835N0721823.1	44	20							UPGLAC	-9 TO -24	56
20008	F21	405506N0722359.1	126	100							UPGLAC	-20 TO -23	
20041	C 8	404444N0732511.1	268	85			-40				MAGOTHY	-105 TO -183	75
20057	D 9	404520N0732241.1	200	79							UPGLAC	-91 TO -121	30
20060	F18	405547N0723909.1	350	25							UPGLAC	-295 TO -325	107
20071	C13	404455N0730041.1	46	5							UPGLAC	-26 TO -41	
20300	D 9	404520N0732241.2	232	75			1				MAGOTHY	-126 TO -157	20

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	SPECIFIC CAPACITY (GPM/FT)
20305	B11	403818N0731117.1	446	10	-101	-142	-285				MAGOTHY	-363 TO -436	
20315	D15	404726N0725105.1	260	38	-69		-88				MAGOTHY	-206 TO -222	14
20318	D10	404733N0731531.1	605	110			-85				MAGOTHY	-260 TO -320	36
20369	D10	404936N0731525.1	312	120			-20				MAGOTHY	-140 TO -190	
20431	H21	410503N0722309.1	10	10							UPGLAC	3 TO 0	
20460	C 9	404235N0732256.2	499	41	-53		-69				MAGOTHY	-383 TO -453	30
20479	D11	404547N0731042.1	128	45			-72				UPGLAC	-39 TO -72	100
20530	E 9	405258N0732032.1	715	280				-386			UPGLAC	-254 TO -323	59
20560	G24	410110N0720953.1	51	28							UPGLAC	-20 TO -23	
20566	C10	404340N0731541.1	775	26			-48				MAGOTHY	-684 TO -746	55
20591	E13	405257N0730459.1	150	105							UPGLAC	-10 TO -42	67
20601	D 9	404839N0732328.1	464	155			73				MAGOTHY		
20633	E16	405212N0724726.1	60	50							UPGLAC	10 TO -10	27
20635	C10	404402N0731932.1	704	41			-49				MAGOTHY	-515 TO -585	60
20689	E11	405047N0731204.1	596	40			-270				MAGOTHY	-476 TO -555	41
20705	D14	404639N0725857.1	100	42							UPGLAC	-28 TO -58	
20839	F14	405713N0725714.1	191	110							UPGLAC	-40 TO -72	83
20900	D14	404837N0725952.1	78	85							UPGLAC	23 TO 7	7
20908	F22	405553N0721535.1	62	30							UPGLAC	-12 TO -32	42
20924	B11	403827N0731015.1	482	10	-106	-142	-285				MAGOTHY	-421 TO -472	
20930	D12	404723N0730608.1	130	80							UPGLAC	-45 TO -50	
20955	C 9	404156N0732123.1	630	22	-73		-88				MAGOTHY	-535 TO -605	100
21009	D11	404606N0731209.1	432	45			-97				MAGOTHY	-307 TO -387	35
21079	E13	405221N0730329.2	242	90							UPGLAC	-122 TO -152	50
21080	B10	403727N0731547.1	1115	10	-86	-92	-214				MAGOTHY	-1050 TO -1105	29
21091	B10	403727N0731546.1	2014	10	-86	-92	-214	-1141	-1404	-1980			
21095	G21	410227N0722327.1	48	25							UPGLAC	-14 TO -23	
21119	E 8	405357N0732800.1	773	115				-258	-349	-607	LLOYD	-375 TO -405	
21121	E 9	405134N0732357.2	601	220							UPGLAC	-275 TO -335	35
21134	E10	405108N0731742.1	547	160			-305				MAGOTHY	-329 TO -380	21
21244	C10	404304N0731615.2	602	23	-57		-106				MAGOTHY	-442 TO -570	41
21247	D14	404717N0725956.1	145	60							UPGLAC	-50 TO -83	56
21362	D 9	404748N0732255.1	565	158			89				MAGOTHY	-323 TO -398	58
21366	C10	404357N0731816.1	470	45			-59				MAGOTHY	-369 TO -409	34
21375	C10	404222N0731904.1	501	18	-57		-81				MAGOTHY	-427 TO -477	23
21404	F13	405612N0730055.1	244	133							UPGLAC	-101 TO -111	
21405	E13	405253N0730310.1	98	115							UPGLAC	28 TO 17	10
21487	C 9	404323N0732225.1	705	43			-47				MAGOTHY	-219 TO -297	34
21529	F17	405545N0724112.1	235	42							UPGLAC	-188 TO -193	13
21768	E16	405050N0724933.1	133	90							UPGLAC	-2 TO -43	80

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	SPECIFIC CAPACITY (GPM/FT)
21873	D15	404840N0725138.1	100	60							UPGLAC	-30 TO -40	
21906	G22	410419N0721917.1	50	20							UPGLAC	-19 TO -30	
21944	E11	405037N0731027.1	53	55							UPGLAC	6 TO 2	
21945	E12	405159N0730855.1	750	123			-108				MAGOTHY	-541 TO -603	
22001	D12	404928N0730627.1	109	89							UPGLAC		
22015	D 9	404750N0732455.1	722	140			-8	-556			MAGOTHY	-446 TO -520	26
22048	E 9	405257N0732034.1	602	290							UPGLAC	-232 TO -311	63
22169	B11	403814N0731146.1	429	5	-87	-113	-203				MAGOTHY	-364 TO -424	17
22171	E12	405127N0730709.1	450	120			-244				UPGLAC	-212 TO -243	33
22278	C 9	404355N0732300.1	184	60	-40		-50				MAGOTHY	-106 TO -120	
22351	C 9	404050N0732324.1	558	21	-59		-97				MAGOTHY	-448 TO -535	28
22362	D10	404959N0731656.2	315	155			-159				UPGLAC	-88 TO -156	32
22429	F17	405820N0724308.1	197	180							UPGLAC	-2 TO -17	25
22453	E13	405028N0730321.1	236	165							UPGLAC	-50 TO -71	10
22471	D10	404922N0731629.1	383	165			-62				MAGOTHY	-147 TO -216	24
22494	D11	404617N0731229.1	120	50			-67						
22508	E13	405050N0730329.1	227	190							UPGLAC	-12 TO -37	25
22547	E13	405159N0730448.1	106	95							UPGLAC	16 TO -11	26
22548	D10	404707N0731904.4	415	114			-151				MAGOTHY	-233 TO -298	
22568	E12	405132N0730959.1	250	110							UPGLAC		
22577	D12	404902N0730940.1	907	61			-319	-777					
22640	F13	405626N0730319.1	650	225			-137						
22673	D13	404649N0730501.1	159	50							UPGLAC	-104 TO -109	15
22683	D13	404836N0730346.1	121	75							UPGLAC		
22711	D12	404633N0730708.1	140	70							UPGLAC	-33 TO -70	52
22785	E17	405252N0724035.1	277	175							UPGLAC	-60 TO -102	20
22792	E14	405043N0725804.1	170	140							UPGLAC	-5 TO -30	62
22871	D 9	404753N0732443.1	95	135							UPGLAC	50 TO 40	6
22880	C13	404009N0730305.1	560	5	-113	-149	-298				MAGOTHY	-502 TO -555	54
22910	D11	404828N0731140.1	946	125			-85	-745					
22961	E17	405002N0724456.1	90	55							UPGLAC	-25 TO -35	
23045	D10	404502N0731822.1	605	60			-44						
23046	C10	404457N0731824.1	448	60			-45				MAGOTHY	-327 TO -385	40
23058	C10	404345N0731711.1	217	40	-65		-88				MAGOTHY	-147 TO -173	34
23059	D 9	404527N0732412.1	204	105			21				MAGOTHY	-66 TO -88	
23132	D13	404750N0730219.1	85	72							UPGLAC	-3 TO -13	
23136	F21	405844N0722150.1	196	90							UPGLAC	-80 TO -106	28
23145	E 9	405225N0732317.1	600	195							UPGLAC	-325 TO -405	24
23183	D11	404922N0731228.3	500	61			-69				MAGOTHY	-183 TO -297	46
23185	F12	405606N0730723.1	543	98			-68				MAGOTHY	-368 TO -445	27

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	SPECIFIC CAPACITY (GPM/FT)
23186	E11	405255N0731427.1	491	160			-62				MAGOTHY	-254 TO -330	40
23252	D11	404954N0731148.1	163	65							UPGLAC	-88 TO -98	13
23255	E13	405457N0730303.1	486	165			-36				MAGOTHY	-249 TO -321	35
23371	E 9	405337N0732022.1	475	175				-342			UPGLAC	-219 TO -296	47
23433	D18	404841N0723935.1	321	12	-92		-106				MAGOTHY	-258 TO -308	
23440	D14	404943N0725916.1	165	105							UPGLAC	-25 TO -60	72
23445	D10	404659N0731642.1	610	110			-161				MAGOTHY	-431 TO -495	46
23455	C11	404419N0731415.1	81	30	-51						UPGLAC	-41 TO -51	
23505	F10	405504N0731936.1	200	75							UPGLAC	-85 TO -125	27
23506	E12	405323N0730957.1	160	100							UPGLAC	-55 TO -60	
23507	E12	405427N0730924.1	180	100							UPGLAC	-74 TO -80	
23522	D10	404808N0731913.1	424	145							UPGLAC	-213 TO -275	
23523	D 9	404750N0732150.1	458	190							UPGLAC	-137 TO -250	89
23524	E13	405158N0730300.1	462	110			-338				UPGLAC	-276 TO -336	41
23531	D11	404806N0731001.1	162	70							UPGLAC	-46 TO -56	10
23609	E12	405319N0730829.1	484	125			-324				MAGOTHY	-328 TO -358	30
23626	C11	404335N0731333.1	526	4	-67		-90						
23631	E11	405047N0731207.1	623	40			-268				MAGOTHY	-454 TO -555	37
23699	E 9	405305N0732228.1	185	70							UPGLAC	-74 TO -114	57
23715	D10	404955N0731704.1	340	155			-160				UPGLAC	-83 TO -155	55
23733	E13	405018N0730123.1	191	220							UPGLAC	45 TO 30	
23822	F17	405759N0724450.1	249	130							UPGLAC	-99 TO -119	
23823	C 8	404337N0732513.1	407	70			-32				MAGOTHY	-316 TO -337	11
23827	E14	405245N0725850.1	150	90							UPGLAC	-24 TO -60	66
23828	E14	405244N0725850.1	150	90							UPGLAC	-24 TO -60	66
23832	D10	404922N0731628.1	405	165			-51				MAGOTHY	-153 TO -237	23
23848	C 9	404430N0732113.1	634	50			-38				MAGOTHY	-502 TO -584	40
23876	D17	404935N0724326.1	100	30							UPGLAC	-55 TO -70	12
23971	F23	405831N0721318.1	99	70							UPGLAC	-24 TO -29	
23997	E 9	405050N0732145.1	625	200			-200	-448			MAGOTHY	-340 TO -421	31
23998	E 9	405140N0732221.1	601	220			-249	-434			MAGOTHY	-305 TO -377	58
23999	E10	405018N0731817.1	704	160			-266	-530			MAGOTHY	-375 TO -447	22
24047	D11	404801N0731004.2	135	70							UPGLAC	-24 TO -59	107
24121	E14	405316N0725545.1	94	85							UPGLAC	2 TO -9	10
24545	E11	405251N0731427.1	512	160			-60				MAGOTHY	-274 TO -351	48
24552	B11	403810N0731220.1	570	5		-117	-229				MAGOTHY	-530 TO -565	
24663	F13	405626N0730318.1	460	230			-134				MAGOTHY	-145 TO -230	42
24769	D10	404819N0731603.1	858	139			-33	-699					
24772	D11	404813N0731356.1	966	120			-50	-766					
24775	E12	405240N0730705.1	135	130							UPGLAC	1 TO -5	4

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	SPECIFIC CAPACITY (GPM/FT)
24846	D10	404639N0731514.1	517	90			-58				MAGOTHY	-371 TO -427	33
24848	E19	405231N0723129.1	123	50							UPGLAC	-41 TO -71	50
24875	F22	405700N0721704.1	78	55							UPGLAC	-19 TO -23	
25036	F22	405707N0721945.1	130	91							UPGLAC	-35 TO -39	
25257	F24	405959N0720807.1	58	40							UPGLAC	-14 TO -18	
25260	E15	405354N0725353.1	110	90							UPGLAC	-10 TO -20	
25399	F21	405859N0722241.1	120	70							UPGLAC	-46 TO -50	
25511	C10	404407N0731547.1	80	40							UPGLAC	-36 TO -40	13
25617	C10	404458N0731823.1	441	64			-41				MAGOTHY	-295 TO -376	54
25674	C 9	404431N0732115.2	625	50			-40				MAGOTHY	-500 TO -575	39
25709	G21	410442N0722203.1	10	5							UPGLAC	-2 TO -5	
25776	E10	405307N0731752.1	586	200			-182				MAGOTHY	-320 TO -383	63
26059	D12	404521N0730637.1	75	43							UPGLAC	-22 TO -32	
26518	F15	405542N0725332.1	117	95							UPGLAC	-7 TO -18	
26535	C10	404343N0731541.1	776	26			-48				MAGOTHY	-676 TO -748	77
26681	E 8	405246N0732523.1	606	10				-390	-470		LLOYD	-515 TO -587	18
27070	E 9	405135N0732357.1	560	209							UPGLAC	-285 TO -348	27
27147	G23	410007N0721411.1	110	90							UPGLAC	-16 TO -20	
27192	E10	405301N0731530.1	474	167			-229				MAGOTHY	-238 TO -299	44
27224	E15	405428N0725304.1	108	95							UPGLAC	-9 TO -12	
27258	C13	404456N0730329.1	607	26	-95	-115	-158				MAGOTHY		
27259	D13	404617N0730355.1	190	55			-110				UPGLAC	-57 TO -106	34
27440	C13	404104N0730022.1	568	5	-145	-165	-310				MAGOTHY	-535 TO -563	
27533	D11	404547N0731042.1	700	45			-73				MAGOTHY	-179 TO -262	44
27739	D 9	404603N0732148.1	925	140			90	-724			MAGOTHY		
27975	E14	405037N0725558.1	81	60							UPGLAC	-10 TO -21	16
28035	D 9	404647N0732442.1	326	125			45				MAGOTHY	-160 TO -201	19
28055	E 9	405055N0732002.1	305	200							UPGLAC	-80 TO -105	
28211	C 8	404413N0732518.1	576	75			-55				MAGOTHY	-451 TO -501	43
28212	B 9	403707N0732343.1	310	10	-69		-112				MAGOTHY		
28306	F24	405911N0720949.1	118	95							UPGLAC	-19 TO -23	
28329	E12	405439N0730724.1	200	150							UPGLAC	-35 TO -50	16
28339	C13	404019N0730227.1	592	20	-112	-125	-299				MAGOTHY	-467 TO -572	1
28383	D14	404942N0725511.1	111	55							UPGLAC	-33 TO -55	17
28406	E19	405111N0723333.1	70	30							UPGLAC	-36 TO -40	
28408	C13	404455N0730329.1	335	25	-96	-116	-161				MAGOTHY	-242 TO -310	54
28503	C 9	404318N0732019.1	676	30	-30		-127				MAGOTHY	-569 TO -646	65
28530	E14	405220N0725734.1	270	85							UPGLAC	-144 TO -184	43
28564	J26	411627N0715858.1	50	12							UPGLAC	-23 TO -38	25
28693	E12	405339N0730736.1	601	147			-98				MAGOTHY		

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	SPECIFIC CAPACITY (GPM/FT)
28756	E15	405343N0725414.1	115	110							UPGLAC	10 TO -5	
28767	D14	404717N0725957.1	139	60							UPGLAC	-35 TO -75	33
28809	C13	404410N0730322.1	60	15							UPGLAC	-35 TO -45	11
28819	D13	404912N0730333.1	264	125							UPGLAC	-14 TO -116	151
28880	G26	410142N0715827.1	148	125							UPGLAC	-15 TO -19	
28928	E21	405414N0722328.1	110	38							UPGLAC	-47 TO -72	47
29034	E14	405054N0725512.1	170	140							UPGLAC	-24 TO -29	
29277	E10	405002N0731506.1	112	115							UPGLAC	7 TO 3	
29296	E21	405311N0722156.1	50	20							UPGLAC	-26 TO -30	
29411	E12	405448N0730651.1	553	111			-41				MAGOTHY	-368 TO -439	63
29491	C 9	404120N0732245.1	499	25	-50		-70				MAGOTHY	-365 TO -468	30
29492	D13	404912N0730332.1	255	116							UPGLAC	-32 TO -117	
29501	E16	405420N0724755.1	61	45							UPGLAC	-5 TO -16	11
29663	F14	405647N0725706.1	171	135							UPGLAC	-7 TO -35	103
29704	E12	405458N0730729.1	298	140			-32				MAGOTHY	-143 TO -158	
29732	E12	405337N0730736.1	565	145			-100				MAGOTHY	-344 TO -420	
29743	F24	405856N0720639.1	302	50									
29751	E15	405442N0725420.1	108	75							UPGLAC	-23 TO -33	
29776	D 8	404710N0732640.2	720	195			83	-547			MAGOTHY	-515 TO -525	
29823	D 9	404521N0732252.1	622	76			14						
29852	E10	405042N0731955.1	607	190			-261	-480			MAGOTHY	-340 TO -411	45
29896	E12	405457N0730712.1	460	120			-49				MAGOTHY	-284 TO -339	18
29897	E12	405450N0730734.1	274	140			-56				MAGOTHY	-118 TO -134	17
29962	D 9	404832N0732207.1	675	208			-409						
29981	E16	405051N0724513.1	125	90							UPGLAC	-5 TO -32	
30007	D 8	404607N0732530.1	592	101			49				MAGOTHY	-409 TO -489	41
30008	E 9	405058N0732338.1	488	185			-225				MAGOTHY	-238 TO -298	60
30088	F14	405655N0725902.1	283	165							UPGLAC	-46 TO -109	90
30114	B 9	403800N0732034.1	327	10	-100		-133				MAGOTHY	-250 TO -317	4
30118	D12	404913N0730955.2	197	58							UPGLAC	-83 TO -134	64
30193	D10	404524N0731606.1	80	65							UPGLAC	-11 TO -15	6
30207	G26	410321N0715645.1	177	125							UPGLAC	-32 TO -52	33
30208	G26	410327N0715652.1	175	135							UPGLAC	-19 TO -40	37
30230	E18	405124N0723537.1	1629	45			-135	-915	-1125	-1501			
30234	D11	404755N0731312.1	190	112	-48		-68				UPGLAC	-6 TO -41	127
30235	D 8	404806N0732613.1	340	280			210				MAGOTHY		
30271	F17	405548N0724126.2	721	26			-190	-734	-892		MAGOTHY	-642 TO -692	16
30296	F12	405806N0730723.1	80	25							UPGLAC	-50 TO -55	
30324	E15	405002N0725348.1	123	50							UPGLAC	-49 TO -73	
30326	E16	405047N0724627.1	225	160							UPGLAC	-55 TO -65	

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	SPECIFIC CAPACITY (GPM/FT)
30343	D13	404631N0730357.1	350	60	-104		-111				MAGOTHY	-250 TO -286	25
30421	D 9	404718N0732453.1	270	125			75				MAGOTHY	-87 TO -147	6
30506	D 9	404521N0732250.1	609	75			1				MAGOTHY	-471 TO -543	41
30550	B12	403923N0730611.1	483	5		-145	-315				MAGOTHY	-452 TO -478	1
30554	F16	405732N0724912.1	171	170							UPGLAC	5 TO 0	
30724	F23	405731N0721315.1	68	30							UPGLAC	-34 TO -38	
30729	E11	405417N0731121.1	349	100							UPGLAC	-214 TO -249	10
30739	D16	404834N0724532.1	50	25							UPGLAC	-9 TO -24	
30925	D16	404849N0724948.1	90	30							UPGLAC	-40 TO -60	
30931	F10	405542N0731931.1	85	10							UPGLAC	-70 TO -75	3
30977	G24	410035N0720838.1	48	20							UPGLAC	-24 TO -28	
31023	D 9	404527N0732446.1	384	100			26				MAGOTHY	-216 TO -284	23
31037	E21	405411N0722330.1	1215	36			-154	-922	-1138				
31038	C 9	404156N0732123.1	528	19	-76		-91				MAGOTHY	-437 TO -509	42
31039	E 8	405253N0732635.1	790	82				-318	-443	-688	UPGLAC	-186 TO -258	42
31104	D10	404700N0731641.1	658	110			-190				MAGOTHY	-482 TO -545	41
31112	C14	404245N0725546.1	465	7	-119	-135	-233				MAGOTHY	-433 TO -458	4
31113	C13	404016N0730237.1	484	7	-109	-133	-283				MAGOTHY	-453 TO -477	
31199	F22	405543N0722214.1	98	65							UPGLAC	-25 TO -29	
31216	E18	405305N0723703.1	139	115							UPGLAC	-19 TO -24	
31471	E20	405326N0722635.1	125	38							UPGLAC	-62 TO -87	29
31488	G25	410153N0720007.1	184	150							UPGLAC	-30 TO -34	
31494	F22	405653N0722354.1	80	15							UPGLAC	-55 TO -65	
31562	F22	405714N0721917.1	99	100							UPGLAC	10 TO 5	
31624	D11	404755N0731316.1	439	110	-42		-66				MAGOTHY	-254 TO -324	35
31633	H21	410547N0722029.1	64	42							UPGLAC	-12 TO -22	
31636	E19	405233N0723130.1	120	52							UPGLAC	-37 TO -67	32
31653	F23	405838N0721143.2	466	74			-260				MAGOTHY	-346 TO -386	27
31711	E11	405143N0731100.1	605	125			-141						
31734	E13	405455N0730258.2	1121	163			-49	-532	-716	-938	LLOYD	-907 TO -927	1
31735	G26	410155N0715835.1	525	173		-120	-219						
31737	F20	405531N0722536.1	40	12							UPGLAC	-18 TO -28	25
31787	G24	410205N0720955.1	69	30							UPGLAC	-30 TO -34	
31814	F10	405533N0731855.1	109	5							UPGLAC	-85 TO	
31815	F10	405531N0731842.1	148	5							UPGLAC	-123 TO -143	
31861	F25	405937N0720321.1	30	10							UPGLAC	-17 TO -20	
31867	D13	404845N0730401.1	188	100							UPGLAC	-15 TO -50	33
31913	D13	404617N0730355.2	163	54			-101				UPGLAC	-71 TO -102	43
31925	F16	405645N0724920.1	122	100							UPGLAC	-9 TO -19	
31976	F18	405936N0723542.1	112	45							UPGLAC	-47 TO -67	

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	SPECIFIC CAPACITY (GPM/FT)
32014	C12	404320N0730535.1	46	5							UPGLAC	-36 TO -41	
32015	E 9	405413N0732049.1	808	150				-396	-470	-655			
32125	F15	405738N0725159.1	76	50							UPGLAC	-11 TO -26	35
32180	F13	405511N0730107.1	341	132			-96				MAGOTHY	-133 TO -206	45
32204	F23	405848N0721252.1	128	95							UPGLAC	-29 TO -33	
32219	B12	403843N0730917.1	390	10	-95	-125	-283				MAGOTHY	-319 TO -380	25
32309	F12	405711N0730828.1	108	69							UPGLAC	-34 TO -39	
32325	E13	405356N0730210.1	354	142							UPGLAC		48
32326	E13	405357N0730211.1	160	135							UPGLAC		41
32359	D16	404908N0724731.1	1317	65			-225	-1083					
32390	G19	410056N0723026.1	550	36			-356						
32412	D10	404736N0731532.1	900	110			-87	-743					
32466	F16	405550N0724510.1	163	80							UPGLAC		
32501	C 8	404047N0732523.1	632	26	-54		-92				MAGOTHY	-534 TO -604	38
32551	E13	405031N0730321.1	245	170							UPGLAC	-28 TO -70	46
32552	E13	405030N0730321.1	245	170							UPGLAC	-27 TO -70	60
32553	G24	410220N0720846.1	48	10							UPGLAC	-34 TO -38	
32555	G23	410012N0721051.1	68	30							UPGLAC	-34 TO -38	
32575	E15	405341N0725313.1	100	80							UPGLAC	-15 TO -20	
32821	F12	405615N0730516.1	602	75			-71				MAGOTHY		
32841	D 9	404534N0732108.1	648	61			-13						
32842	B10	403820N0731735.4	308	10	-64		-145				MAGOTHY	-293 TO -298	
32843	G26	410316N0715547.1	50	12							UPGLAC	-33 TO -38	6
32854	G27	410353N0715449.1	68	30							UPGLAC	-34 TO -38	
32883	F24	405849N0720900.1	79	50							UPGLAC	-25 TO -29	
32885	E10	405442N0731908.1	265	95							UPGLAC	-9 TO -13	
32913	F16	405753N0724855.1	84	90							UPGLAC	10 TO 6	
32988	H21	410515N0722008.1	90	32							UPGLAC	-28 TO -53	
33005	C 9	404318N0732018.1	681	33	-50		-145				MAGOTHY	-572 TO -646	138
33006	E10	405143N0731554.1	504	147			-75				MAGOTHY	-289 TO -357	50
33060	E12	405157N0730740.1	421	91							UPGLAC	-266 TO -319	
33073	F18	405725N0723628.1	700	45			-430						
33200	G21	410304N0722207.1	32	17							UPGLAC	-12 TO -15	
33203	E12	405149N0730756.1	629	95							UPGLAC	-425 TO -485	75
33204	E12	405149N0730752.1	517	95							UPGLAC	-361 TO -422	37
33205	E12	405150N0730748.1	443	93							UPGLAC	-282 TO -343	36
33206	E12	405154N0730801.1	587	95							UPGLAC	-426 TO -486	40
33230	D 8	404910N0732648.1	360	240			144				MAGOTHY	-16 TO -47	10
33271	G27	410255N0715428.1	40	18							UPGLAC	-17 TO -22	
33343	G22	410209N0721905.1	36	16							UPGLAC	-15 TO -20	

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	SPECIFIC CAPACITY (GPM/FT)
33379	D12	404932N0730559.1	1580	134			-310	-868	-1058	-1424	LLOYD		
33381	E12	405313N0730810.1	807	129			-433						
33382	G21	410458N0722102.1	63	35							UPGLAC	-18 TO -23	
33399	E12	405351N0730505.1	146	140							UPGLAC	0 TO -6	
33428	G23	410109N0721032.1	68	40							UPGLAC	-24 TO -28	
33430	F24	405925N0720900.1	129	100							UPGLAC	-25 TO -29	
33490	D15	404601N0725447.1	50	15							UPGLAC	-15 TO -35	20
33497	E13	405251N0730228.1	81	100							UPGLAC	22 TO 19	
33500	E12	405340N0730736.1	551	148			-98				MAGOTHY	-337 TO -400	65
33595	D12	404800N0730805.1	113	92							UPGLAC	-10 TO -21	
33598	G22	410442N0721950.1	79	48							UPGLAC	-26 TO -31	
33661	G23	410154N0721236.1	82	42							UPGLAC	-36 TO -40	
33684	E 9	405313N0732206.1	371	10							UPGLAC	-341 TO -361	
33775	G20	410337N0722644.1	360	25			-205						
33825	D14	404740N0725657.1	180	70							UPGLAC	-29 TO -40	11
33826	D14	404739N0725656.1	163	70							UPGLAC	-48 TO -88	41
33848	F22	405939N0721849.1	30	7							UPGLAC	-18 TO -23	2
33922	F22	405718N0721904.1	815	115			-215						
33970	E 9	405256N0732033.1	608	307							UPGLAC	-234 TO -301	28
33991	D11	404511N0731120.1	703	35	-69		-93						
34007	F13	405512N0730105.1	345	136			-98				MAGOTHY	-139 TO -209	45
34015	E 9	405319N0732337.1	610	101				-383	-449				
34016	E13	405156N0730451.2	712	95			-335						
34021	D 9	404703N0732313.1	710	260			-160						
34022	D 9	404657N0732104.1	560	220									
34032	D10	404808N0731912.1	441	150							UPGLAC	-219 TO -286	101
34058	E21	405208N0722355.1	37	10							UPGLAC	-17 TO -23	11
34063	D 9	404635N0732140.1	736	200			58				MAGOTHY	-456 TO -536	
34064	D 9	404635N0732140.2	632	200			39				MAGOTHY		46
34100	C 9	404350N0732202.1	711	53	-39		-72				MAGOTHY	-527 TO -547	12
34156	D16	404953N0724608.1	100	80							UPGLAC	-5 TO -15	14
34215	D12	404913N0730829.1	98	95							UPGLAC	3 TO -3	
34272	F16	405713N0724713.1	1001	130			-150	-660					
34293	G23	410056N0721227.1	88	50							UPGLAC	-34 TO -38	
34300	F12	405615N0730516.2	450	72			-74				MAGOTHY	-324 TO -374	32
34301	F12	405612N0730516.1	535	96			-82				MAGOTHY	-379 TO -434	
34354	E17	405425N0724433.1	140	30							UPGLAC	-107 TO -110	
34390	G23	410003N0721117.1	50	5							UPGLAC	-41 TO -45	
34460	E11	405253N0731427.1	599	153			-75				MAGOTHY	-378 TO -443	30
34477	F14	405639N0725954.1	180	150							UPGLAC	-17 TO -22	

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	SPECIFIC CAPACITY (GPM/FT)
34629	D15	404901N0725015.1	150	17	-99						UPGLAC	-108 TO -133	36
34632	E22	405440N0721908.1	48	17							UPGLAC	-23 TO -27	
34653	E12	405149N0730801.1	700	100							UPGLAC	-498 TO -599	54
34655	F18	405624N0723908.1	265	25							UPGLAC	-195 TO -235	38
34674	E20	405415N0722639.1	60	15							UPGLAC		
34733	E11	405144N0731057.1	421	126			-164				MAGOTHY		
34743	E17	405040N0724148.1	1226	65	-105		-137	-985					
34839	E16	405009N0724507.1	120	120							UPGLAC	5 TO 0	
34851	E11	405054N0731002.1	84	70							UPGLAC	-4 TO -14	8
34893	F14	405517N0725749.1	843	123	-66		-547						
34941	E19	405156N0723306.1	70	45							UPGLAC	-19 TO -25	
35005	C11	404459N0731237.1	107	33							UPGLAC	-64 TO -74	5
35007	D 8	404918N0732532.1	660	232			-148	-430			MAGOTHY	-343 TO -428	21
35036	F23	405912N0721424.1	99	90							UPGLAC	-5 TO -9	
35063	C12	404427N0730732.1	710	13	-82		-117						
35110	E16	405448N0724801.1	436	55							UPGLAC		
35122	E20	405420N0722640.1	52	10							UPGLAC	-26 TO -42	
35136	D12	404918N0730722.1	80	95							UPGLAC	20 TO 15	
35365	E21	405330N0722140.1	69	24							UPGLAC	-35 TO -40	4
35399	D11	404828N0731454.1	166	140							UPGLAC	-11 TO -26	21
35469	D16	404810N0724656.1	68	25							UPGLAC	-26 TO -41	17
35494	E13	405156N0730451.3	429	95			-335				UPGLAC	-262 TO -332	
35581	F22	405642N0721547.1	69	45							UPGLAC	-19 TO -24	
35669	D10	404604N0731751.1	118	70	-38						UPGLAC	-21 TO -31	13
35670	C 9	404207N0732458.1	172	45	-33		-53				MAGOTHY	-100 TO -110	2
35679	E12	405131N0730959.1	236	120							UPGLAC	-93 TO -208	6
35788	F20	405954N0722627.1	47	18							UPGLAC	-24 TO -29	
35939	E10	405141N0731907.1	533	171			-299				MAGOTHY	-297 TO -359	34
35940	E13	405157N0730107.1	298	145							UPGLAC	-103 TO -153	
35946	E21	405428N0722025.1	40	12							UPGLAC	-19 TO -23	
36007	F22	405611N0721640.1	59	40							UPGLAC	-15 TO -19	
36042	F21	405614N0722351.1	94	55							UPGLAC	-35 TO -39	
36166	E12	405448N0730651.2	433	107			-45				MAGOTHY	-260 TO -320	27
36185	E10	405434N0731943.1	320	40							UPGLAC	-34 TO -64	75
36192	F15	405734N0725144.1	306	22									
36318	E21	405326N0722441.1	93	35							UPGLAC	-53 TO -58	5
36440	G21	410500N0722048.2	98	35							UPGLAC	-59 TO -63	
36448	F15	405627N0725407.1	404	132									
36459	E12	405409N0730614.1	523	148			-90				MAGOTHY	-309 TO -369	42
36460	D10	404536N0731635.1	611	76			-132				MAGOTHY		

Table 2.--Hydrogeologic correlations and well-completion data from selected wells and test holes in Suffolk County, N.Y. (Continued)

WELL NUMBER	LOCATION OF WELL: MAP COORD	LOCATION OF WELL: LATITUDE AND LONGITUDE	WELL DEPTH (FT)	HYDROGEOLOGIC UNIT PENETRATED AND ALTITUDE OF UPPER SURFACE IN FEET ABOVE OR BELOW (-) MSL: UPPER GLACIAL AQUIFER	GARDINERS CLAY	MONMOUTH GREENSAND	MAGOTHY AQUIFER	RARITAN CLAY	LLOYD AQUIFER	BEDROCK	WELL-COMPLETION DATA: HYDROGEOLOGIC UNIT DEVELOPED	WELL-COMPLETION DATA: SCREEN SETTING (FT ABOVE OR BELOW (-) MSL)	WELL-COMPLETION DATA: SPECIFIC CAPACITY (GPM/FT)
36531	E18	405030N0723518.1	61	30							UPGLAC	-25 TO -31	
36660	F22	405619N0721845.1	140	30							UPGLAC	-104 TO -109	
36711	E14	405333N0725629.1	225	81							UPGLAC	-28 TO -58	21
36714	C10	404458N0731823.2	308	63			-42				MAGOTHY	-181 TO -241	42
36791	E10	405046N0731615.1	674	140			-89				MAGOTHY	-394 TO -530	65
36856	G21	410500N0722048.1	54	32							UPGLAC	-17 TO -22	3
36866	G23	410050N0721438.1	41	7							UPGLAC	-28 TO -34	
36961	D12	404817N0730829.1	125	100							UPGLAC	-20 TO -25	
36965	F22	405639N0721811.1	162	52							UPGLAC		
37140	D11	404512N0731120.1	312	35	-75		-91				MAGOTHY	-204 TO -274	39
37141	D11	404755N0731314.1	428	112	-38		-66				MAGOTHY	-239 TO -314	35
37144	D13	404753N0730244.1	202	76	-94		-114				UPGLAC		
37145	D12	404804N0730512.1	210	98	-96		-102				UPGLAC		
37174	E12	405159N0730856.1	309	123			-118				MAGOTHY	-121 TO	32
37351	E10	405141N0731908.1	609	171			-293	-461			MAGOTHY	-344 TO -434	27
37494	D14	404717N0725958.1	622	60			-100						
37681	C 9	404232N0732256.1	583	42	-52		-68						
38035	D 9	404723N0732453.1	450	132			82						
38192	D10	404527N0731503.2	605	66	-60		-74						
38194	F14	405654N0725902.1	775	157				-595				-513 TO -573	
38491	D11	404922N0731227.1	403	61			-209				MAGOTHY		
38595	E13	405257N0730501.1	600	100			-305						
38785	E 9	405136N0732357.1	701	202									